

FIGURE 1A

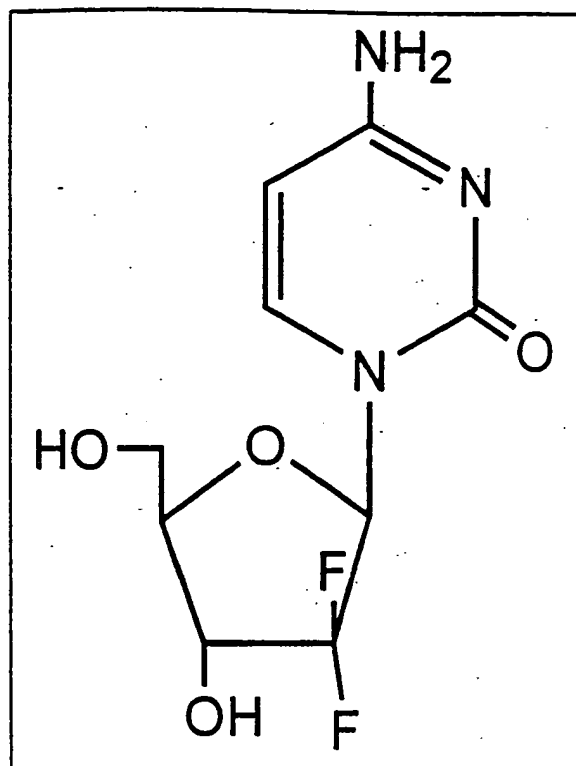


FIGURE 1B

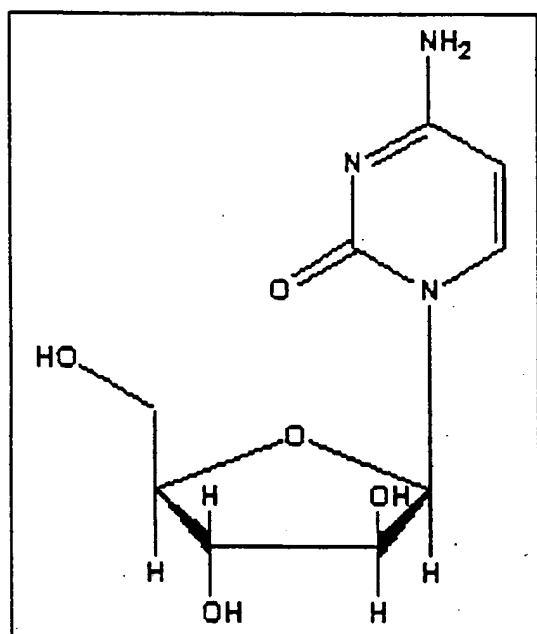


FIGURE 1C

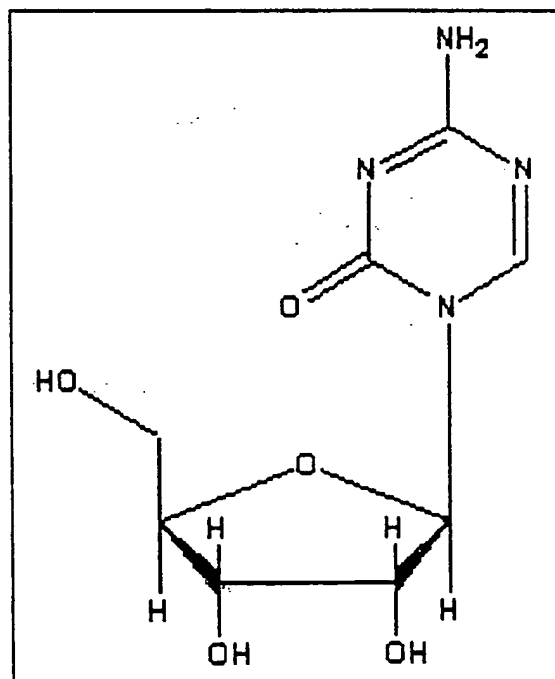


FIGURE 1D

# Synthesis of Lipid Backbone

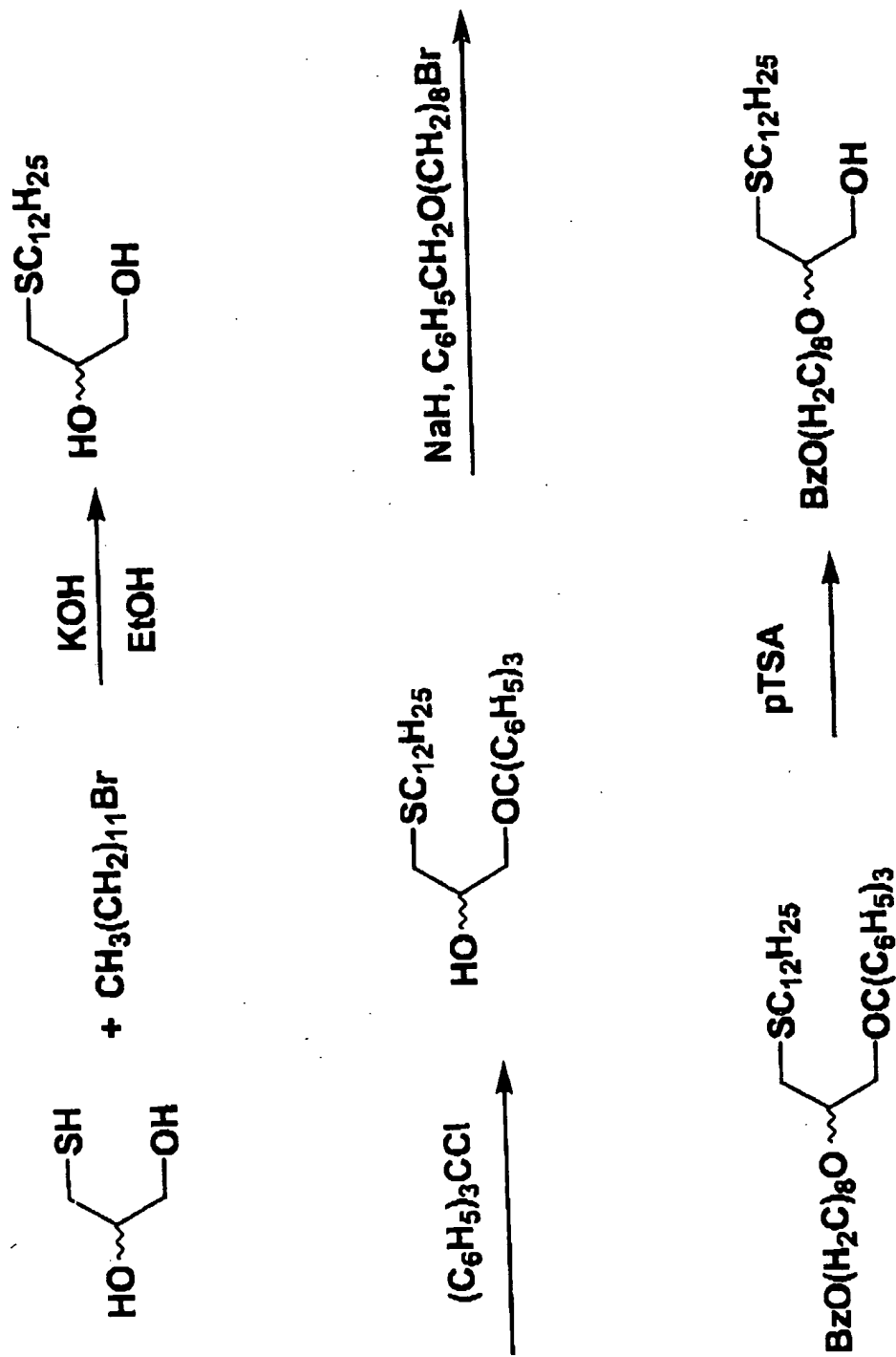
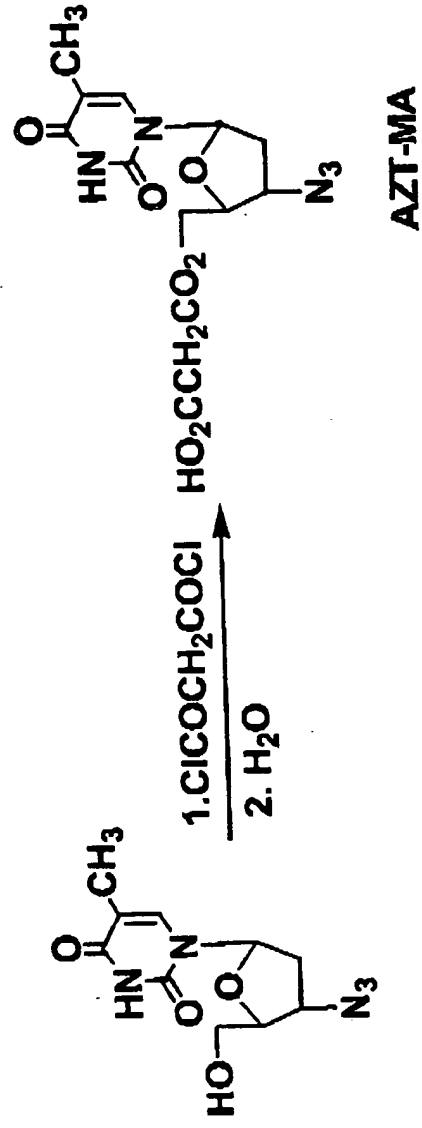


FIGURE 2

# Synthesis of AZT-Malonic Acid (AZT-MA)



Substituted malonic acid chlorides ( $\text{ClCOCHRCl}$ ) could also be used in the above reaction;  
 $\text{R} = \text{CH}_3, \text{CH}_2\text{CH}_3, \text{C}_6\text{H}_5$

FIGURE 3

# Synthesis of AZT-Phosphocholine Conjugate

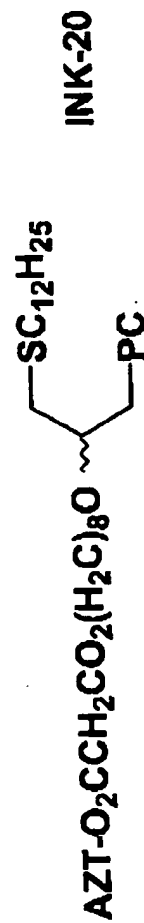
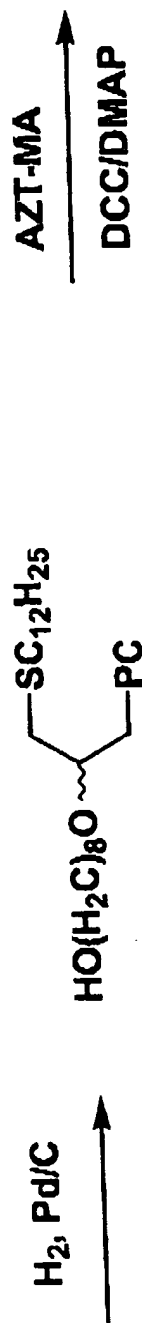
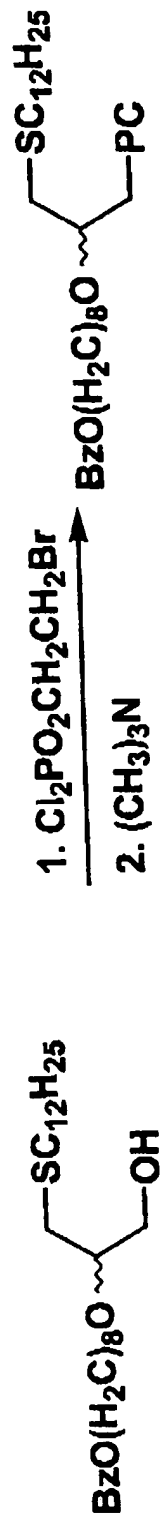


FIGURE 4

$[^{14}\text{C}]$ -BM 21.1290 concentrations in plasma and lymphoid tissues of female C57Bl/6 mice

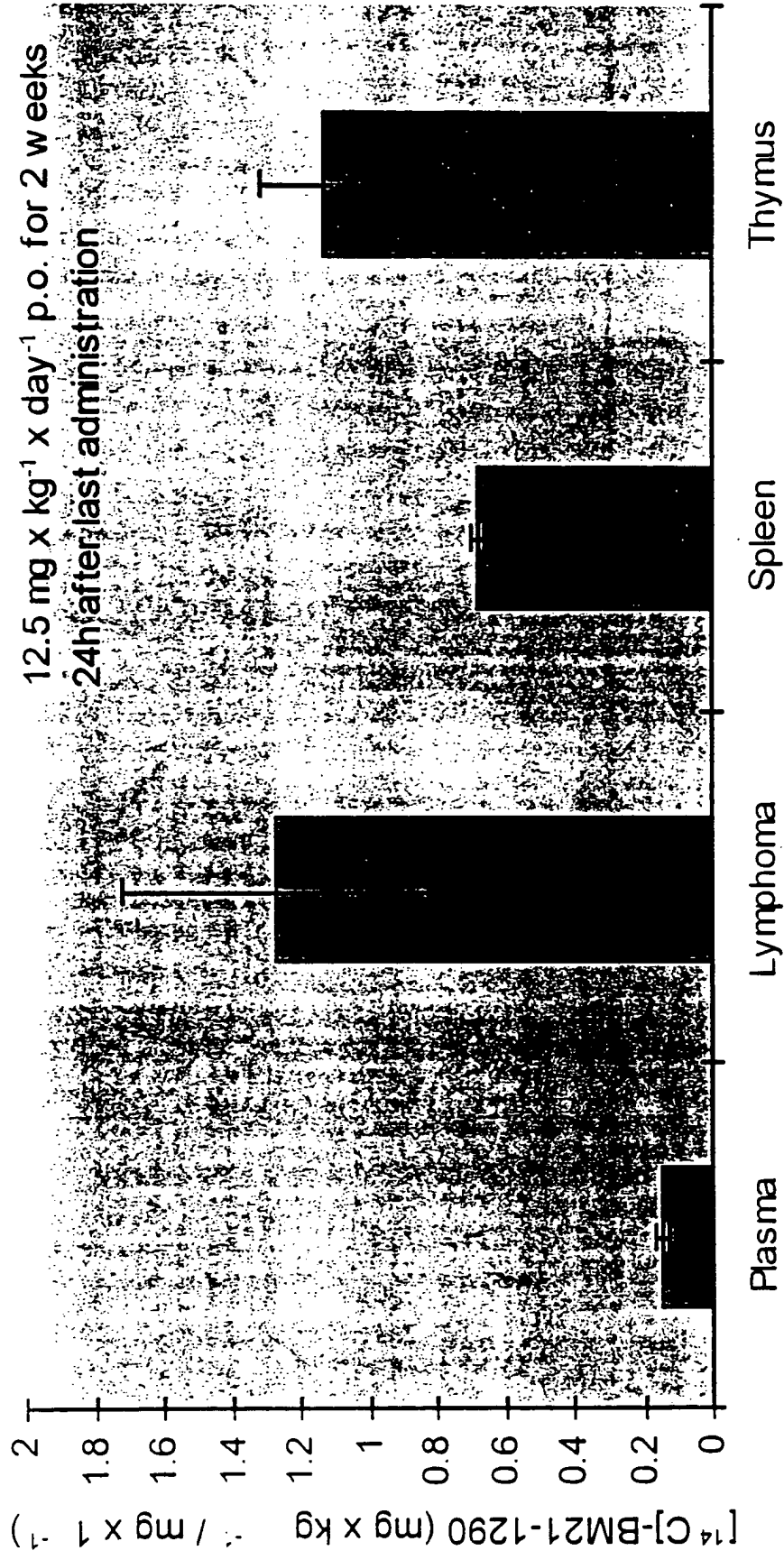


FIGURE 5

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Plasma and CNS concentrations of [ $^{14}$ C]-BM 21.1290 in  
female C57Bl/6 mice

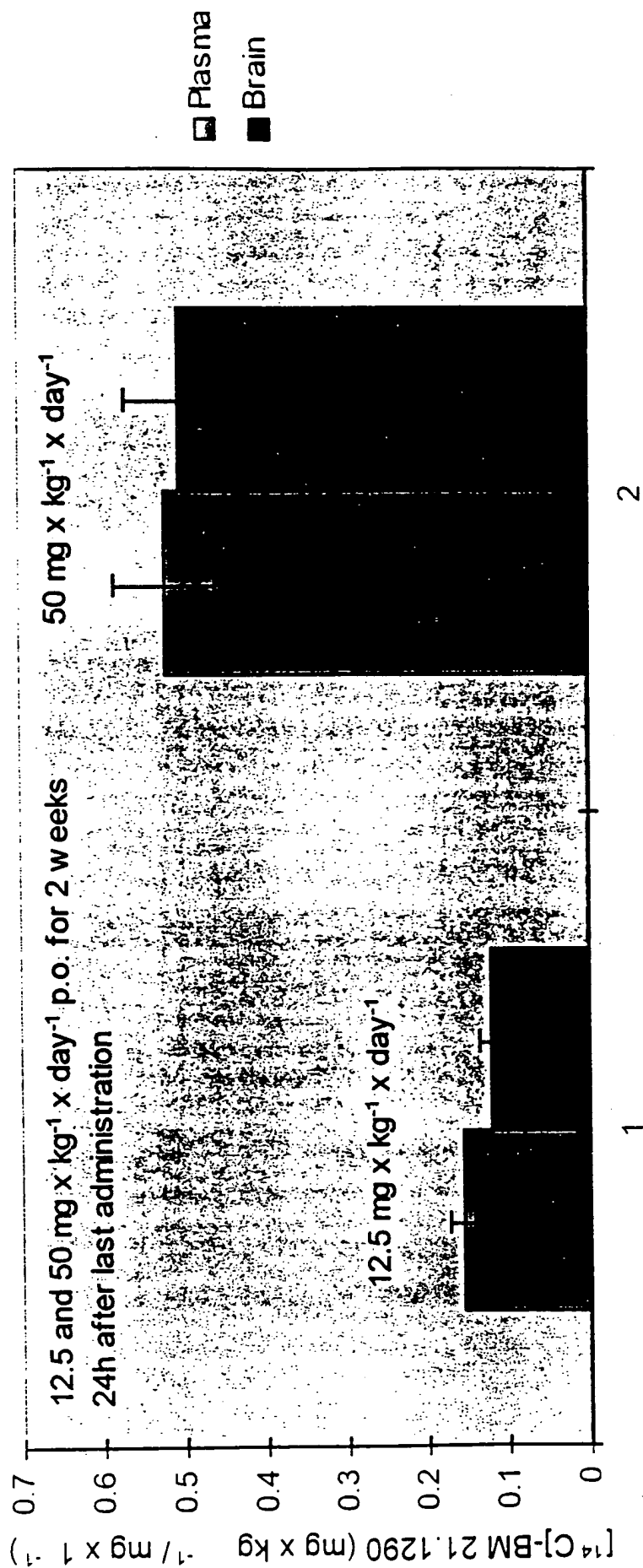


FIGURE 6

BEST AVAILABLE COPY

lipid & ara-C coupled through phosphate ester

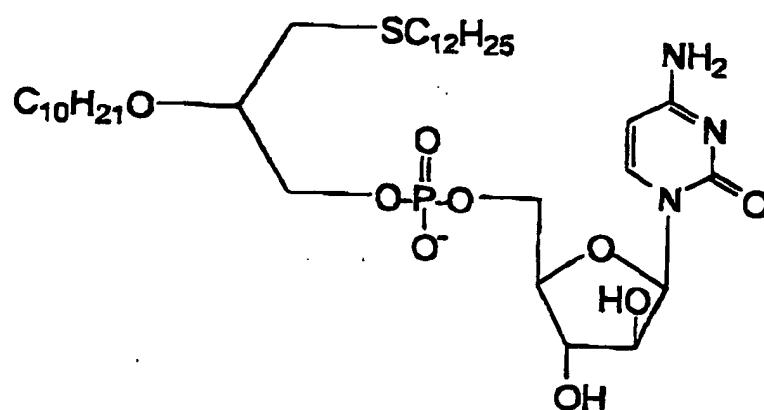


FIGURE 7A

lipid & gemcitabine coupled through phosphate ester

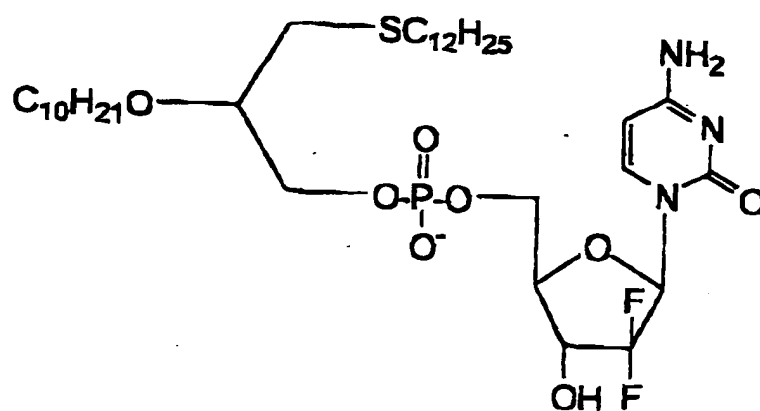


FIGURE 7B

**Abstract**

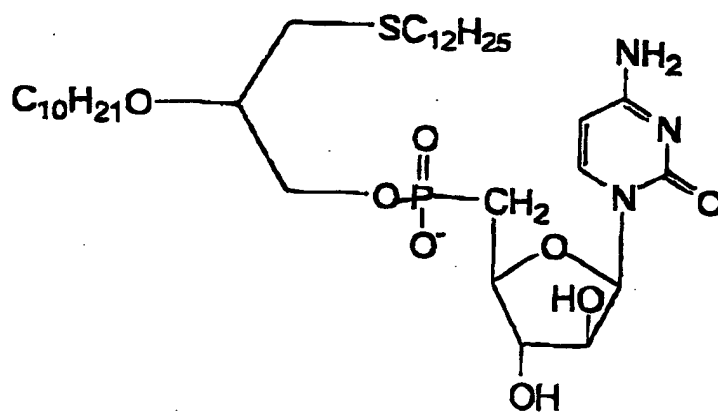


FIGURE 8A

lipid & gemcitabine coupled through phosphonate ester

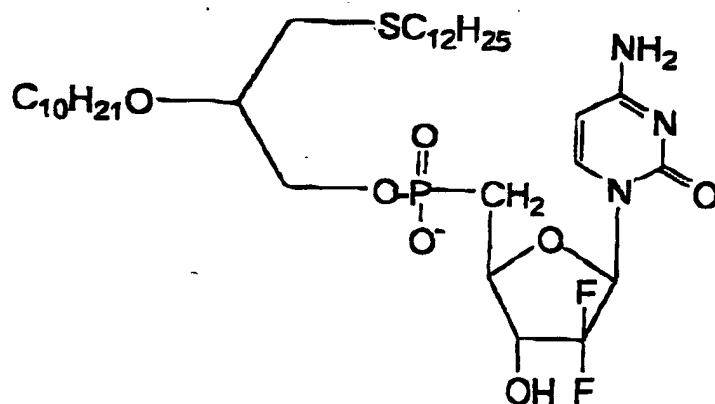


FIGURE 8B



lipid coupled to methotrexate through an ester

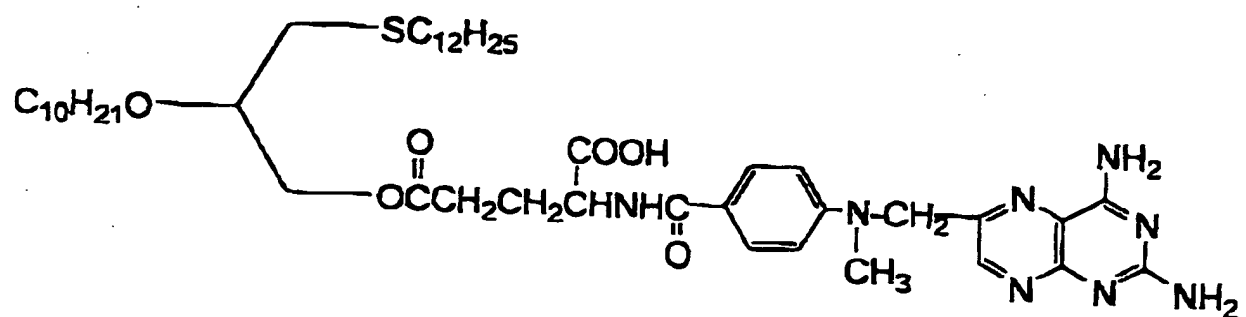


FIGURE 9